

Title (en)

CENTRIFUGAL SEDIMENTATION TYPE PARTICLE SIZE DISTRIBUTION MEASURING DEVICE

Title (de)

VORRICHTUNG ZUR MESSUNG DER TEILCHENGRÖSSENVERTEILUNG DURCH ZENTRIFUGALSEDIMENTATION

Title (fr)

DISPOSITIF DE MESURE DE DISTRIBUTION DE TAILLE DE PARTICULES DE TYPE À SÉDIMENTATION CENTRIFUGE

Publication

EP 3859306 A4 20220720 (EN)

Application

EP 19880042 A 20191029

Priority

- JP 2018205625 A 20181031
- JP 2019042263 W 20191029

Abstract (en)

[origin: EP3859306A1] The present claimed invention is to facilitate cleaning work of a cell for a particle size distribution measuring device that measures a particle size distribution by means of a line start method, and comprises a cell 2 that houses a density gradient solution, a cell rotating mechanism 3 that rotates the cell 2 so that a centrifugal force is applied to the cell 2 from a smaller density gradient to a larger density gradient and a sample introducing mechanism 7 that introduces a measurement sample into the cell 2 that is rotated by the cell rotating mechanism 3, and is so configured that the cell 2 is detachable from a main body of the device.

IPC 8 full level

G01N 15/04 (2006.01); **G01N 15/02** (2006.01)

CPC (source: EP US)

B04B 5/04 (2013.01 - EP); **B04B 5/0414** (2013.01 - EP); **G01N 15/0205** (2013.01 - EP US); **G01N 15/042** (2013.01 - EP US); **G01N 21/07** (2013.01 - US); **G01N 2015/045** (2013.01 - EP US)

Citation (search report)

- [XAI] WO 2018092573 A1 20180524 - HORIBA LTD [JP]
- [XAI] JP S62115140 U 19870722
- [XAI] JP H0387636 A 19910412 - SEISHIN ENTERPRISE
- [A] JP S56161554 U 19811201
- See references of WO 2020090775A1

Cited by

EP4386356A1; EP4129488A4; WO2024126526A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3859306 A1 20210804; **EP 3859306 A4 20220720**; JP 7362648 B2 20231017; JP WO2020090775 A1 20210924; US 11428616 B2 20220830; US 2021310925 A1 20211007; WO 2020090775 A1 20200507

DOCDB simple family (application)

EP 19880042 A 20191029; JP 2019042263 W 20191029; JP 2020553914 A 20191029; US 201917287831 A 20191029